

Thom L. Neff, PE, PhD

GENERAL

Dr. Neff 's professional career has included significant experience in the planning, research, design, construction, and operation phases of a wide variety of civil and heavy construction projects, both in the US and overseas. He has worked in the public and private sector, and held a number of academic positions related to civil and environmental design and construction.

On Boston's \$14.5 billion Central Artery/Tunnel Project, he was responsible for managing design and construction efforts in the areas of geotechnical, environmental, historic preservation, archeology, and facility deformation monitoring and control.

He has published extensively in these topics, and has developed the "STEPS Approach" to project and program issue resolution. The STEPS Approach is an integrated management and control system that was described in Chapter 5 of the recent Wiley book, "Risk Management for the Design and Construction of Underground Facilities." He founded OckhamKonsult in 2004 to pursue assignments in risk management, and project and program integration.

Dr. Neff has served on important tunnel projects, water and wastewater projects, design-build projects, and port facilities. In these assignments, he has filled the role of engineer, contractor and/or construction manager, as required by the specific assignment.

11/06 – Present **President, OckhamKonsult (see below)**

09/05 – 10/06: **Director, Consulting Division, Geocomp Corporation**
Directs a team of skilled professionals engaged in using advanced technologies to help a global client base manage risk for a wide range of infrastructure settings. Employs strategic planning techniques, the STEPS Approach to effective project integration, and a range of high-tech testing, monitoring and data management technologies.

10/03 – 08/05: **President, OckhamKonsult**
A collaboration of individuals and firms employing the STEPS Approach to effectively manage risk for large, complex infrastructure projects; incorporating issues related to globalization, outsourcing, IT enhancements, and new materials and processes.

09/00 – 09/03: **Project Director, Modern Continental Construction Co.**
Technical coordination and trouble-shooting for major, heavy construction and building projects;
Domestic and overseas marketing and business development
Strategic corporate planning

09/85 – 09/00: **Vice President, Parsons Brinckerhoff**
Project manager for civil, structural, geotechnical, and environmental aspects of large civil works projects to include Boston Harbor Outfall Tunnel, Nut Island Headworks, Boston Garden Underground Garage, Post Office Square Underground Garage, and Boston's Central Artery/Tunnel Project
Corporate research and development
Corporate marketing and business development

09/80 - 09/85: **Head, Geotechnical Division, C.T. Main Corporation**
Directed geotechnical and environmental studies, design and CM for a wide range of civil and heavy construction projects, domestic and overseas, to include dams, tunnels, bridges, highways and large buildings

- 09/78 – 09/80: **Professor of Civil Engineering, Portland State University (Oregon)**
Teaching courses in geology, geotechnical engineering, and engineering management
Directed sponsored research in geotechnical engineering and integrated project management
Various consulting assignments on domestic and overseas projects, e.g., John Day Lock and Dam (Oregon), Lagoven Oil Refinery (Venezuela)
- 09/73 – 09/78: **Research Associate, MIT Department of Civil Engineering**
Managed sponsored research in civil and geotechnical engineering
Private consulting assignments on domestic and overseas assignments
- 09/70 – 09/73: **Professor of Civil Engineering, Northeastern University**
Teaching courses on geology and geotechnical engineering
Research in geotechnical engineering
- 09/68 – 09/70: **Senior Field Engineer, Acres/Canadian Bechtel (Churchill Falls Hydro-Electric Project)**
Managed all geotechnical engineering and monitoring for dams and underground facilities
- Education:** BSCE, Akron University
MSCE (Structures), Northeastern University
PhD (Geotechnics), University of Illinois